

## **ABSTRACT**

The present invention relates to a method and apparatus for producing a reference image (template) used in 5 a glass bottle inspecting apparatus for detecting a defect at a specific location of a bottle-mouth portion and the like of a glass bottle, and used for being compared with the image obtained from the glass bottle to be inspected in the inspecting apparatus. According to a method of producing a 10 reference image of the present invention, plural images are formed by using a CCD camera to image a plurality of glass bottles (2) as samples which may contain defective glass bottles, and a reference image is provided from the obtained plural images, a range of brightness when light is applied 15 to a non-defective glass bottle being specified in said reference image.